## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	346	tape and ((first second plural\$3 multiple) near3 (head transducer)) and (gap near4 height)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/03/24 11:57
L2	141	1 and (thin near2 film)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/03/24 11:58
L9	8	tape and ((first second plural\$3 multiple) near3 (head transducer)) and ((gap near4 height) same (overlap\$3 non\$1overlap \$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/03/24 12:44
L10	48	tape and ((first second plural\$3 multiple) near3 (head transducer)) and (gap same (overlap\$3 non\$1 overlap\$4 overwrit\$4) same height)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/03/24 12:54
S1	3	(("6078549") or ("6014291") or ("6031673")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2008/02/01 09:57
S61	30	(record\$3 near2 head) and (thin near2 film) and (inclin\$3 near2 track) and (overlap\$4 overwrit\$3 over\$1writ\$3 over \$11ap\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/02/01 10:37
S64	10756	(360/64,66,75,76,77.06).COLS	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2008/02/01 10:14
S65	1502	(360/121,119.05).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2008/02/01 10:29
S66	379	(((head transducer) near4 (first second multiple plural\$3) near3 (gap spac\$3)) and ((azimuth\$2 inclin\$3) near3 (track record\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/02/01 10:31
S67	34	S65 and S66	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/02/01 10:18

S68	261	((head transducer) near4 (first second multiple plural\$3) near3 (gap spac\$3)) and ((azimuth\$2 helical\$2 inclin\$3) near3 (track record\$3)) same (height length width)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/02/01 10:25
S69	95	964 and 966	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/02/01 10:22
S70	2	S69 and ((thin near2 film) and (head near2 chip))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/02/01 10:25
S71	10	[((head transducer) near4 (first second multiple plural\$3) near3 (gap spac\$3)) same ((azimuth\$2 helical\$2 inclin\$3) near3 (track record\$3)) same (height length width) same (overwrit\$4 eras\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/02/01 10:29
S72	5060	(360/121,122,118,119.05).CQLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2008/02/01 10:31
S73	124	((head transducer) near4 (first second multiple plural\$3) near3 (gap spac\$3)) and ((azimuth\$2 inclin\$3) near3 (track record\$3)) and (eras\$3 overwrit\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/02/01 10:33
S74	17	S72 and S73	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/02/01 10:32
S75	212	[((head transducer) near4 (first second multiple plural\$3) near3 (gap spac\$3)) and ((azimuth\$2 inclin\$3) near3 (track record\$3)) and (eras\$3 overwrit\$3 overlap \$4 over\$11ap\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/02/01 10:33
S76	66	S64 and S75	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/02/01 10:34
S77	59	(transducer head) and (thin near2 film) and ((inclin\$3 azimuth\$3) near2 track) and (overlap\$4 over\$tiri\$3 over\$1lap\$4 eras\$3) and (gap near3 (height length width measure\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/02/01 10:39
S82	12	["4539615"   "4546541"   "4571651"   "4609960"   "4633332"   "4905103"   "5132861"   "5193045"   "5307217"   "5719724"   "5886843"   "5923281").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/01 10:46
S83	105	(first second multiple plural\$3) near3 (head transducer) near5 (gap (magnetic near2 gap)) near5 (height length)	US-PGPUB; USPAT	OR	ON	2008/03/21 10:25

S84	6	((magnetic near2 tape) or tape) and ((thin near2 film) near3 (head transducer)) and (gap (magnetic near2 gap)) near5 (height length) near5 (center\$3 align\$3)	US-PGPUB; USPAT	OR	ON	2008/03/21 10:44
S85	338	((first second multiple plural\$3) near2 (head transducer)) same ((magnetic read \$3 writ\$3) near3 gap) same (height align \$4)	US-PGPUB; USPAT	OR	ON	2008/03/21 10:58
S86	9	((first second multiple plural\$3) near2 (head transducer)) same ((magnetic read \$3 writ\$3) near3 gap) same (height align \$4) near4 center\$4	US-PGPUB; USPAT	OR	ON	2008/03/21 10:59
S87	2	(transducer head) and (thin near2 film) and ((inclin\$3 azimuth\$3) near2 track) and ((gap near3 (height length width measure\$4)) near4 cent\$4)	US-PGPUB; USPAT; USOOR; EPO; JPO; IBM_TDB	OR	ON	2008/03/21 11:08
S8 <b>8</b>	4	(transducer head) and (thin near2 film) and ((inclin\$3 azimuth\$3) near2 track) and ((gap near3 (height length width measure\$4)) near9 cent\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/03/21 11:08
S89	39	(transducer head) and (thin near2 film) and ((inclin\$3 azimuth\$3) near2 track) and (gap near3 (height offset stagger\$4 align\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/03/21 11:18
S90	2204	(magnetic near2 tape) and ((thin near2 film) same (gap spac\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/03/21 11:40
S92	124	990 and 360/118-121,130.23-130.24.cds.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/03/21 11:40
S93	77	\$90 and 360/64,66,75,76,77.06.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/03/21 11:41
S94	4	("6362934").URPN.	USPAT	OR	ON	2008/03/21 11:52
S96	644	tape and (transducer head) same (thin near2 film) same (magnetic near2 gap)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/03/21 12:02
S99	47	S96 and 360/118-121,130.23-130.24.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/03/21 12:08
S100	2	("6014291").URPN.	USPAT	OR	ON	2008/03/21 12:09

S101	9	("3479662"   "4652955"   "4719527"   "4860132"   "4928186"   "4939608"   "4941064"   "5079658"). PN.	US-PGPUB; USPAT; USOOR	OR	ON	2008/03/21 12:09
S102	53	tape and (transducer head) same (thin near2 film) same ((magnetic near2 gap) near3 (height length offset))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/03/21 12:32
S105	298	tape and (thin near2 film) and (((multiple plural\$3 first second) near4 gap) near4 (height length width offset))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/03/21 12:40
S106	14	S105 and (head near2 chip)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/03/21 12:41
S107	147	S105 and *360*/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/03/21 12:43
S108	367	tape and (head transducer) same (((multiple plural\$3 first second) near4 gap) near4 (height length width offset))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/03/21 12:48
S109	53	S108 and 360/21,61,64,66,75,76,77.06. ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/03/21 12:49
S110	13	tape and (head transducer) same (((multiple plural\$3 first second) near4 gap) near4 (height length width offset)) and (position\$3 near4 (stagger\$3 overlap \$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/03/21 12:55
S111	1	("5481413").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2008/03/21 13:01
S112	1	("6181495").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2008/03/21 13:02
S113	1	("5559643").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2008/03/21 13:03
S114	14	tape and (head transducer) same ((edge (lower near2 (side portion area region))) near4 (gap spac\$3) near4 height)	US-PGPUB; USPAT	OR	ON	2008/03/21 15:38
S115	649	tape and (head transducer) same ((gap spac\$3) near4 height)	US-PGPUB; USPAT	OR	ON	2008/03/21 15:40

S116	243	S115 and ((thin near2 film) or (head near2 chip))	US-PGPUB; USPAT	OR	ON	2008/03/21 15:41
S117	163	S116 and "360"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2008/03/21 15:45
S118	414	tape and ((head transducer) near4 ((gap spac\$3) near4 (offset height)))	US-PGPUB; USPAT	OR	ON	2008/03/21 15:46
S119	146	S118 and (overwrit\$3 overlap\$4 stagger \$3)	US-PGPUB; USPAT	OR	ON	2008/03/21 15:55
S120	101	S119 and "360"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2008/03/21 15:56
S121	40	tape and (transducer head) and (thin near2 film) and ((inclin\$3 azimuth\$3) near2 track) and (overlap\$4 overwrit\$3 over\$1writ\$3 over\$1ap\$4 eras\$3) and (gap near3 (height length width measure \$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/03/21 17:53
S122	131	360/21.cds.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/03/21 18:07
S123	7	S122 and (gap near4 height)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/03/21 18:08
S124	12	S122 and (thin near2 film)	US-PGPUB; USPAT; USOOR; EPO; JPO; IBM_TDB	OR	ON	2008/03/21 18:10
S125	34	((thin near2 film) near3 (head transducer)) and ((overwrit\$4 overlap\$4 stagger\$3) near4 (pattern data track) near5 (gap))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/03/21 18:14
S126	225	tape and (((first second plural\$3 multiple) near3 (head transducer)) same gap same height)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/03/24 10:26
S127	3	S126 and ((overwrit\$3 overlap\$4) near3 (pattern center\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/03/24 10:27
S128	68	S126 and (thin near2 film)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/03/24 10:28
S129	127	tape and (((first second plural\$3 multiple) near3 (head transducer)) same (gap with height))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/03/24 10:28

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IS13	10 39	S129 and (thin near2 film)	US-PGPUB:	OR	ON	2008/03/24
		` '	USPAT;			10:29
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			JPO;			
			IBM_TDB			

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